Work Order <i>May-23-13</i> 7:44:0		050		*10	2050*						Page I
Revision ID:	3183-042	ly	10 A	Accept	*N900	040	100)* s	Setup Start Stop	1 1	S1* S2*
Start Date: 5/Required Date: 5/Reference:		Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:					
	Process Plan	: W	Date: <u>/3^05^Z</u>	3 Tooling: SPC (Y/N):		nte:	<u>.</u>	F	Run Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center ID		Operation Description	<u> </u>	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty		Reject Number	Insp. Stamp
Draw Nbr	Revis	ion Nbr									
D3183	Rev C	21									
*100 *100 Bandsaw Jeaspa Bandsaw	>n, 1	BAND SAW Memo Cut blanks	: (1.500" x 2.000") 4.300" lo	0.00 0.00			•	4		<i></i>	<u>N 13-5-2</u>
	7. J		ŧ								
*110 *110* HAAS 1 HAAS CNC vertical ma			L MACHINING #1 D3183-2 as per Folio FA320 3-Scribe batch number	0.00	L13/05/27 tify as D3183-			4			·
120 *120* QC Quality Control	•	QC2- Inspect parts off i	nachine FAI/FAIB	0.00	LB/05/27			4	<u>O</u>		: :

Work Ordo <i>May-23-13 7:44</i>		2050		*10	2050*			•		Page 2
Item ID: Revision ID: Item Name:	D3183-042 Bracket Assen	nbly		Accept	*N900	04010) () *	Setup Star	171.	S1*
Start Date: Required Date: Reference:	5/23/13 5/31/13	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:			, , ,	12
Approvals:	Process Pla	n:		Tooling: SPC (Y/N):		nte:		Run Star Stop	, "IVF	R1* R2*
Sequence ID/ Work Center II	D	Operation Description QC8- Inspect parts - second	ond check	Set Up/ Run Hour	Tool ID	Tool # Plan		t Reject Qty	Reject Number	Insp. Stamp
130 QC Quality Control		Memo	*	9 00.0	D 13/05/Z	3	4	Ø		
140		Small Fab		0.00			10.			
140 Small Fab		Memo	3183-041 as per Dwg D	0.00 3183.			42			-13/b
150		QC5- Inspect part compl	eteness to step on W/O	0.00	AG.		\bigcirc			
150		Мето		0.00	13/05/	28	(x4)) 		

Quality Control

Work Order ID 102050 May-23-13 7:44:06 AM		*102050*							Page 3	
Item ID: Revision ID:	D3183-042			Accept	*N90004	.0100)* s	etup Start Stop	ı u.	S1*
Item Name: Start Date: Required Date: Reference:	5/23/13: 5/31/13	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item ID: Customer:					5 2*
Approvals:	Process Pla	n:	Date:	Tooling: SPC (Y/N):	Date:		R	un Start Stop	1711	२1* २2*
Sequence ID/ Work Center II	D	Operation Description Identify as per dwg & St	ock Location: 5T 2	Set Up/ Run Hours 0.00	Tool ID Too	ol# Plan Code	Accept Qty		Reject Number	Insp. Stamp
160 Packaging Packaging		Memo		0.00			<u>4</u> X			BS
170		QC21- Final Inspection	- Work Order Release	0.00			44	(J_1	7-05-7	7.V
QC		Memo		0.00						

Quality Control

N130528

May-23-13 7:44:05 AM

Work Order ID:

102050

Parent Item:

D3183-042

Parent Item Name:

Bracket Assembly

Start Date: 5/23/13

Required Date: 5/31/13

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP Rev:Pick:A04.02.18New issueKJ/DS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3121-21 Bolt		Manufactured	No			140	Each	71.0000	2	4		3/0	5/0
				Location		Loc Qty	<u>L</u>	oc Code					
	•			ST235		. 71				<u></u> /			
				9929		41			2	<u> </u>		_	
	•			9960	1	30					1		/ /
D3183-045		Manufactured	No			100	Each	33.0000	2	4	\mathcal{I}	13/2	//
Bearing Assembly											10	-2-10	-10
				Location		Loc Qty	<u>L</u>	oc Code					/
				FG		- 5				/			
				8858	7	5	•						
				ST235B		28				/			
				9647 9733		27				<u> </u>			
M174B2.000X01.500		D 1 1	No	9133	O	140	f	7.5760	0.4502	0.06404	• •		
17-4 SS Bar 2.00 x 1.500		Purchased	NO			140	1	7.3700	0.4583	0.96484	21 SL13	3-5-6	25_
				Location		Loc Qty	<u>L</u>	oc Code					
				MAT049		7.576			<u> </u>				
•				1131	89	7.576				5			

DART AEROSPACE LTD	Work Order:	102050
Description: Bracket	Part Number:	D3183-1
Inspection Dwg: D3183 Rev: C1		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.400	+/-0.010		-			
0.182	+/-0.010	.181			Vern	11-06
0.070	+/-0.010	.071			*1	- τυσοφ
0.100	+/-0.010	. 093			jì	
R0.063	+/-0.010	R.063			R-6-	
R0.189	+/-0.010	R-190			, (
3.881	+/-0.010	3.8825			Vem	MLOL
4.17	+/-0.030	4.173			, ,	
0.830	+/-0.010	- 836			/(
0.500	+/-0.010	.500			1>	
0.218	+/-0.010	210	/		, .	
1.030	+/-0.010	1.030	/		11	
1.90	+/-0.030	1.891)(
1.012	+/-0.010	1.013			, 1	
0.786	+/-0.010	782			, t	
R0.19	+/-0.010	R.190		-	R-L	
Ø0.392	+0.002/-0.000	Ø.3435			Mier	M1-07
0.162	+/-0.010	.163			Ven	21-11
2.799	+/-0.010	2.801		-	11	
2.075	+/-0.010	2,075			/\	
0.162	+/-0.010	-11.2			٧,	
0.032	+/-0.010	032		-	ч	
0.381	+/-0.010	.380				
0.200	+/-0.010	. 203			1,	

Measured by:	Audited by: Qp	Prototype Approval:	N/A
Date: 13/05/27	Date: 13/05/18	Date:	N/A

Rev	Date	Change		Revised by Approxed
Α	05.02.17	New Issue	(P/O D3183-041/-042)	KJ/JLM
				77

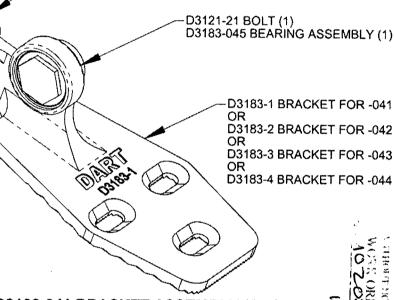




DESIGN		DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA						
CHECK	THE STATE OF THE S	APPROVED	DRAWING NO. D3183	REV. C					
 DATE	04.0	02.17	BRACKET ASSEMBLY	SCALE					
Α	0	3.01.24	NEW ISSUE						
В	0	3.06.17	REMOVE BEARING; 1.012 WS 0.88	32					
С	,0	4.02.17	ADD -045/-9; 0.182 WAS 0.431						
Cı	1	- 04.11.09	0.830 WAS 0.850						

DEO ATTACHED

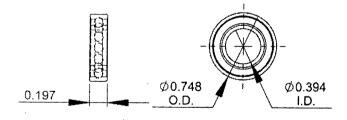
D3121-21 BOLT (1) D3183-045 BEARING ASSEMBLY (1)



D3183-1 BRACKET FOR -041 (SHOWN) D3183-2 BRACKET FOR -042 (OPPOSITE) D3183-3 BRACKET FOR -043 (SIMILAR) D3183-4 BRACKET FOR -044 (SIMILAR)

D3183-041 BRACKET ASSEMBLY (SHOWN)
D3183-042 BRACKET ASSEMBLY (OPPOSITE)
D3183-043 BRACKET ASSEMBLY (SIMILAR) D3183-044 BRACKET ASSEMBLY SIMILAR

YON TROULED COPY CT TO AMENDMENT ORUER ORUER Ģ



D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

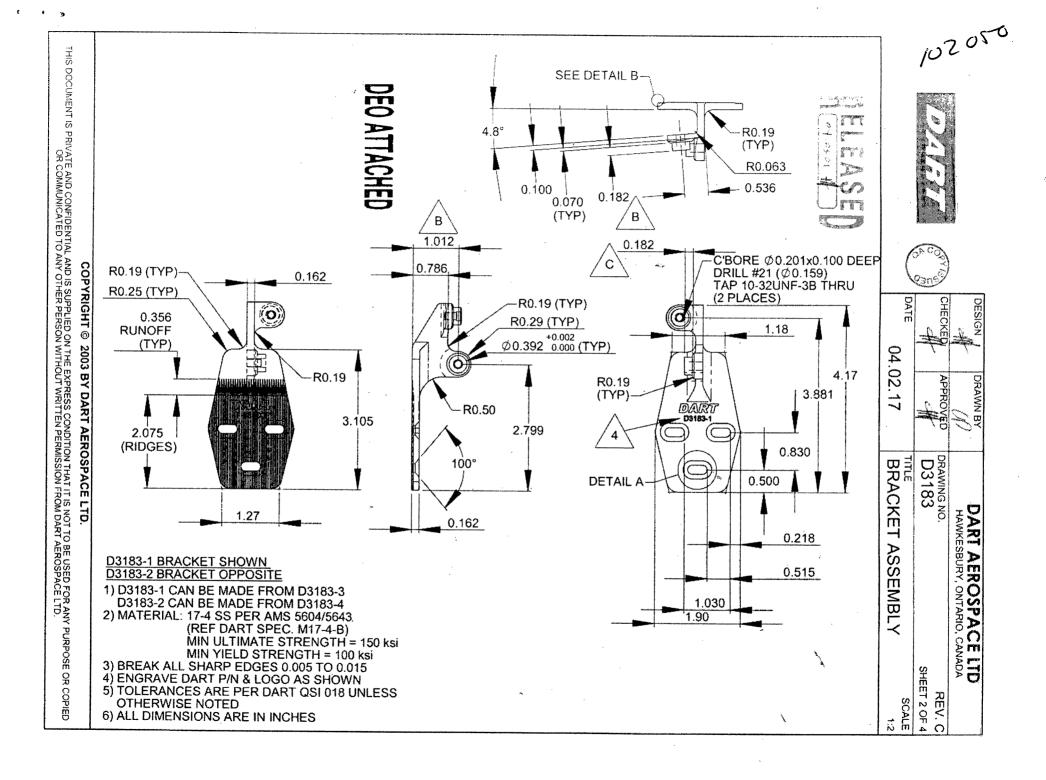
- 1) SINGLE ROW, DEEP GROOVE. CONRAD TYPE, SHIELDED 2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ
- 3) ALL DIMENSIONS ARE IN INCHES

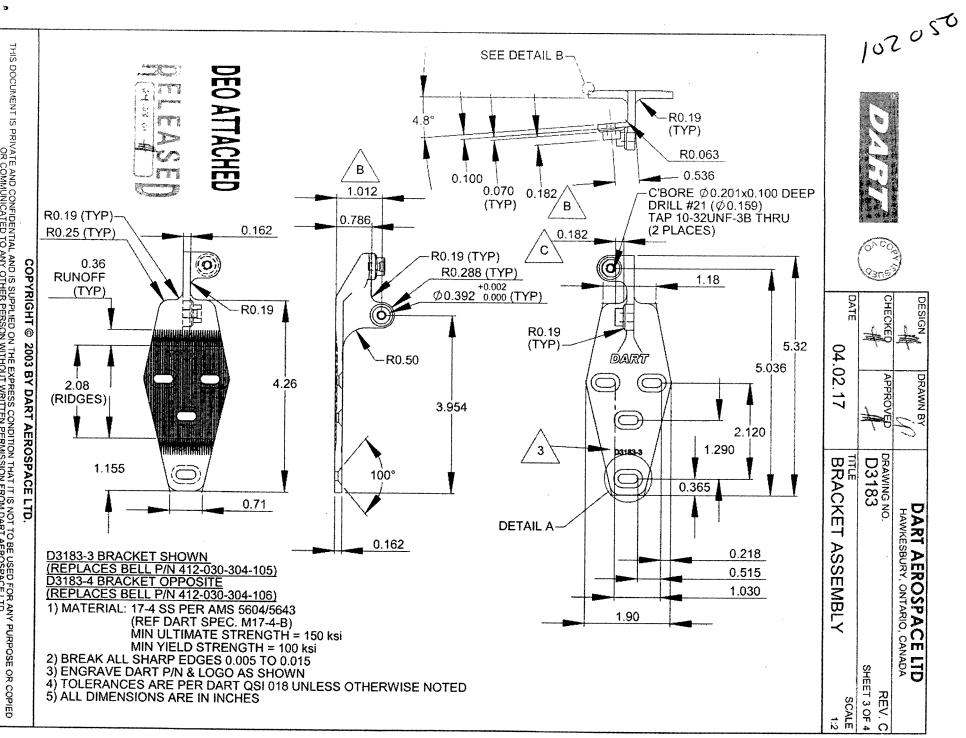
0.052 ±0.005 +0.005 Ø0.600 Ø 0.394 0.000 I.D O.D.

D3183-7 WASHER

- 1) MATERIAL: AISI 303 ROUND BAR (M303R) **ANNEALED**
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES

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DESIGN A	DRAWN,BY
-#	Q
CHECKED	APPROVED
*#	
DATE	

DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA DRAWING NO.

REV. C

SHEET 4 OF 4

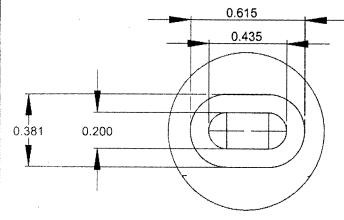
SCALE

04.02.17

TITLE

D3183

BRACKET ASSEMBLY

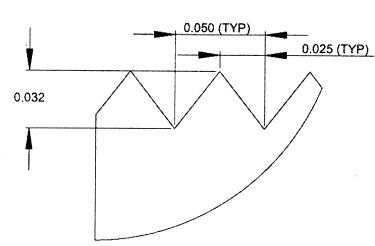


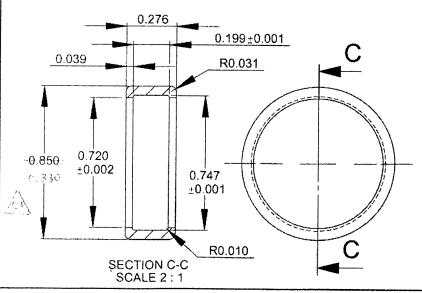
DETAIL A (2:1)



DEO ATTACHED

DETAIL B (20:1)





D3183-9 CAP

- 1) MATERIAL: DELRIN ROD, Ø1.00 (REF DART SPEC. M-DELRIN-R1.00) 2) TOLERANCES ARE PER DART QSI 018
- UNLESS OTHERWISE NOTED
 3) ALL DIMENSIONS ARE IN INCHES

D3183-045 BEARING ASSEMBLY

1) ASSEMBLE D3183-5 BEARING AND D3183-9 CAP

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102050

DRAWING	NO. TITLE		REV.C1	DART AEROSPACE LT	D.E.O. NO.	SHEET NO.	SCALE
D3183	BRACI	KET ASSEMBLY		ENGINEERING ORDER		SHEET 1 OF 1	NTS
DRAWN	go	CHECKED	基	MFG. APPR.	APPROVED APPROVED	DE APPR.	
DATE	10.05.14	DATE 10	.06.30	DATE (0.06.30	DATE 10/06/30	DATE 10/06/30	

D3183-5 BEARING

ADD POSSIBLE SUPPLIER: KML P/N 6800-ZZ

BASIC LOAD RATING REQUIREMENT:

Cr = 1720 N (386 lb) MIN [DYNAMIC]

Cor = 840 N (188 lb) MIN [STATIC]

REF PAR 10-012



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